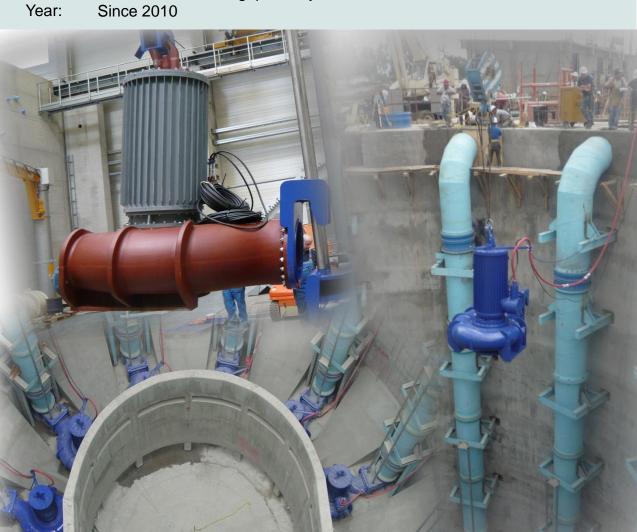
#### **Project: IP68 Projects**

Location: Mexico, Russia, Singapur, Libya etc.





• Type: HKZ

Power range: 200 - 1400 kW
Voltage: 690V - 10kV
Frequency: 50 - 60 Hz
Speed: 715 - 1800 rpm
Cooling: Cooled by the

surrounding water

• Quantity: More than 50 pieces

Application: Pump station for

treatment of sewage

sludge

Highlight:

IP68 protection for permanent underwater

operation.

Project: Bhel

Location: India Year: 2001





• Type: HKW-156 D02

Power: 1800 kW
Voltage: 6.6 kV
Frequency: 50 Hz
Speed: 2976 rpm
Cooling: Air cooled
Quantity: 1 piece

Application: Gas turbine

Highlight: Weather protected

design / max. output:

2800 kW

Project: Degussa Infracor

Location: Germany Year: 2004





• Type: HKG-550 Z06

Power: 700 kW
Voltage: 6 kV
Frequency: 50 Hz
Speed: 993 rpm
Cooling: Air cooled
Quantity: 1 piece

Application: Pump

Highlight: Sleeve bearing with

natural cooling

**Project: Firouzkuh Cement** 

Location: Iran Year: 2004





Type: HRR-010 B06
Power: 3750 kW
Voltage: 6.3 kV
Frequency: 50 Hz
Speed: 992 rpm
Cooling: Air cooled
Quantity: 1 piece

Application: Cement mill

Highlight: Operation 2100 m

over sea level

Project: **GFM Steyr** 

Location: Steyr, Austria

Year: 2004





• Type: HKM-145 C06

Power: 400 kW
Voltage: 6 kV
Frequency: 50 Hz
Speed: 981 rpm

Cooling: air water cooled

Quantity: 2 pieces

Application: Forging machine

Highlight: Mechanically robust

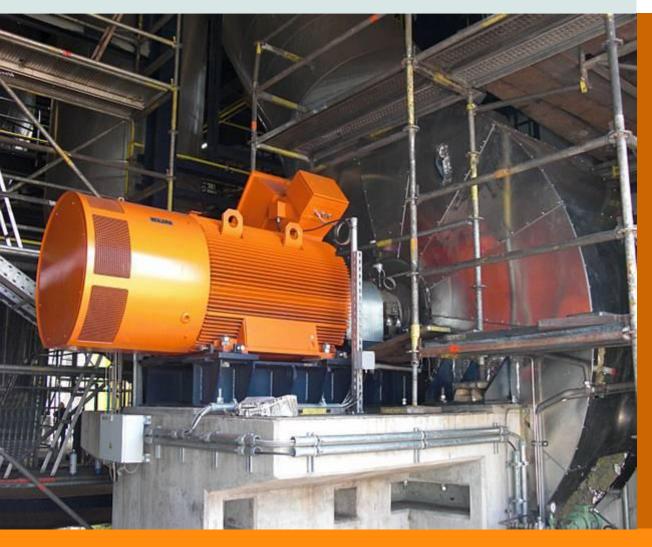
design

#### Project: Hüttenwerke Krupp Mannesmann

Location: Duisburg, Germany

Year: 2007





• Type: HKG-550 M06

Power: 850 kW
Voltage: 5 kV
Frequency: 50 Hz
Speed: 994 rpm
Cooling: Rib cooled
Quantity: 2+2 pieces

Application: Coal mill

Highlight: Design with special

rotor

Project: lasi

Location: Romania Year: 2004





• Type: HKG-545 G06

Power: 710 kW
Voltage: 6 kV
Frequency: 50 Hz
Speed: 994 rpm
Cooling: Air cooled
Quantity: 3 pieces

Application: Pump

Highlight: High efficiency

# **Project: Kahramanmaras Cement**

Location: Turkey Year: 2007





Type: HRR-011 Z06
Power: 5400 kW
Voltage: 6.3 kV
Frequency: 50 Hz
Speed: 992 rpm
Cooling: Tube cooled
Quantity: 3+3 pieces

Application: Cement Mill

Project: Kavir Kashan

Location: Kashan, Iran

Year: 2004





Type: HRR-080 B06

Power: 1400 kW
Voltage: 6.3 kV
Frequency: 50 Hz
Speed: 977 rpm
Cooling: Air cooled
Quantity: 3 pieces

Application: Mill

Project: Liede II

Location: China Year: 2003





Type: HKZ-535 E06/545 K10

• Power: 200 / 380 kW

Voltage: 6.3 kVFrequency: 50 Hz

Speed: 991 / 595 rpm
 Cooling: Cooled by the surrounding water

• Quantity: 5 pieces

Application: Immersion pump,

series Amarex KRT

Highlight: IP68 protection for

permanent underwater operation / used in Chinas largest drinking water treatment plant

## **Project: Main Sewage Plant Vienna**

Location: Vienna, Austria Year: 1999 + 2002





Type: MKG-535 J04

Power: 160 kW
Voltage: 400 V
Frequency: 50 Hz
Speed: 1490 upm
Cooling: air cooled
Quantity: 17+16 pieces

Application: Pump

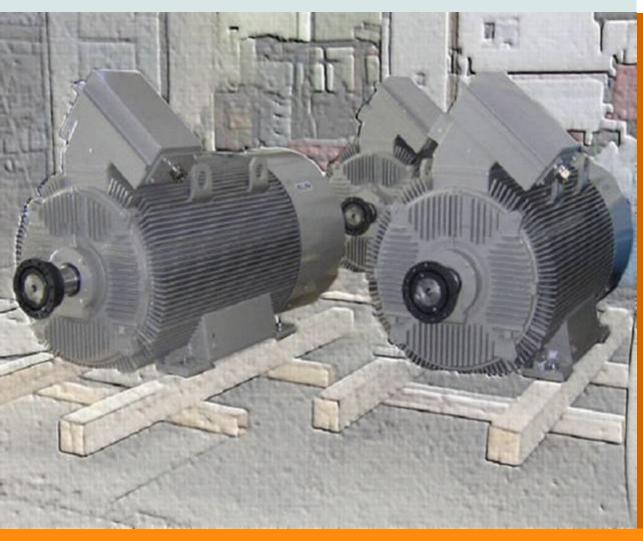
Highlight: Epoxy zinc-phosphate

surface protection against corrosion

Project: Neusiedler

Location: Austria Year: 2004





• Type: HKG-545 K08

Power: 400 kW
Voltage: 6 kV
Frequency: 50 Hz
Speed: 745 rpm
Cooling: Air cooled
Quantity: 4 pieces

Application: Refiner

Highlight: Design with low noise

level – 79 dB(A)

## Project: Singapur IP68

Location: Singapore Year: 2004





Type: MKZ-545 C10

Power: 230 kW Voltage: 400 V Frequency: 50 Hz Speed: 595 rpm

Cooling: Cooled by the

surrounding water

• Quantity: 4 pieces

Application: Pump

Highlight: Corrosion resistant

cast steel (Super

Duplex) / Operation in

extremely aggressive

salt water

Project: VAI Kosice

Location: Slovakia Year: 2004





Type: HKR-180 B06
Power: 1500 kW
Voltage: 690 V
Frequency: 50 Hz
Speed: 990 rpm
Cooling: Tube cooled
Quantity: 3+3 pieces

Application: Fan

Highlight: Terminal box with

busbar / Rated current

= 1575 A

#### Project: VAI Russland

Location: Russia Year: 2004





Type: HKL-150 D04
Power: 2000 kW
Voltage: 6 kV
Frequency: 50 Hz
Speed: 1491 rpm
Cooling: Air/air cooled
Quantity: 2+2 pieces

Application: Fan

Highlight: Ambient temperature

-30°C to +40°C

**Project: White Nile Sugar** 

Location: Sudan Year: 2006





• Type: HRH-063 P14

Power: 960 kW
Voltage: 3.3 kV
Frequency: 50 Hz
Speed: 421 rpm

Cooling: Exhaust air discharged

by a conduit

Quantity: 20 pieces

Application: Pipe cased shaft pump

Highlight: Vertical installation on

pipe cased shaft pump with low vibrations (between 0.12 and 0.48 mm/sec measured) / automatic brush lifting

device

Project: **ESSUKI** 

Location: Sudan Year: 2010





Type: HRH-080 R16
Power: 1250 kW
Voltage: 11 kV
Frequency: 50 Hz
Speed: 367 rpm

Cooling: Exhaust air discharged

by a conduit

• Quantity: 4 pieces

Application: Pipe cased shaft pump

Highlight: Vertical installation on

pipe cased shaft pump with low vibrations / automatic brush lifting

device

Replacement of ELIN Motors which had been in operation since 1972